



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2008
Code: 11911460
SAU: York School Department
School: Coastal Ridge Elementary

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2008

Grade: 4

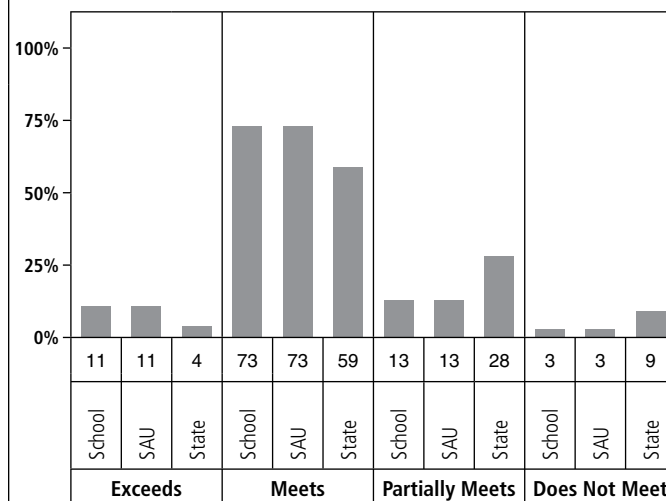
SAU: York School Department

School: Coastal Ridge Elementary

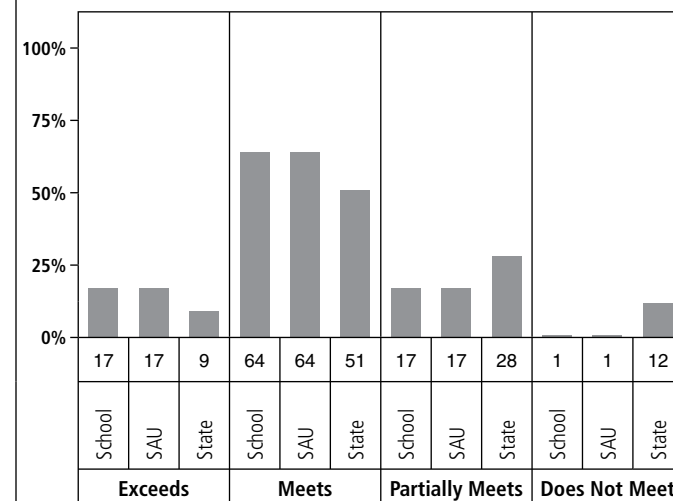
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	448	447	444
2006–2007	450	450	445
2007–2008	450	450	445
Cum. Avg. *	449	449	445
Mathematics			
2005–2006	451	451	444
2006–2007	453	453	445
2007–2008	453	453	445
Cum. Avg. *	452	452	445
Science & Technology			
2005–2006	448	448	444
2006–2007	449	449	444
2007–2008	452	452	444
Cum. Avg. *	450	450	444

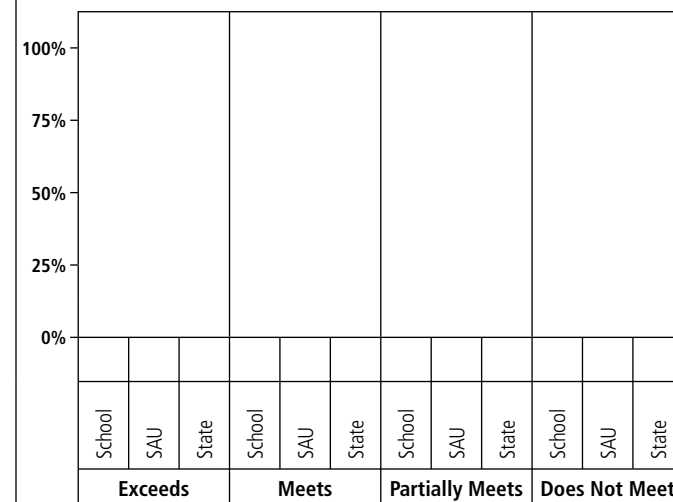
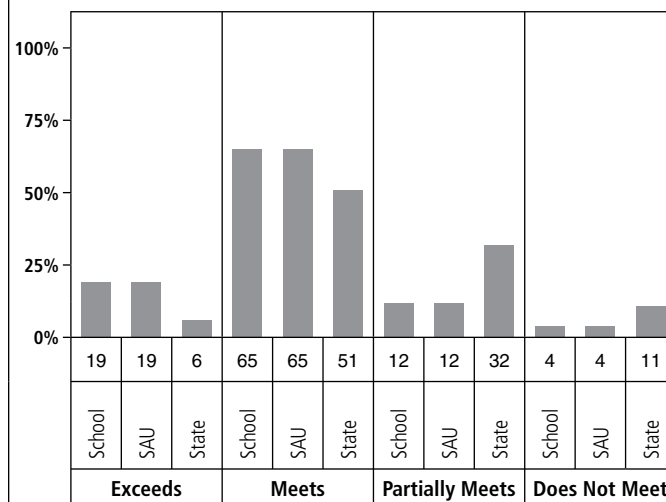
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
Grade: 4
SAU: York School Department
School: Coastal Ridge Elementary

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																											
							ELA-Reading						Mathematics						Science and Technology						School			SAU			State			
	School		SAU		State		School		SAU		State		School		SAU		State																	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%				
Total number of students	159	100	159	100	14207	100	156	98	156	98	14181	100	156	98	156	98	14123	100	156	98	156	98	14115	99										
Ethnicity African American/Black	2	1	2	1	390	3	2	100	2	100	388	99	2	100	2	100	388	99	2	100	2	100	386	99										
American Indian or Native Alaskan	0	0	0	0	101	1	0	0	0	0	101	100	0	0	0	0	101	100	0	0	0	0	101	100										
Asian or Pacific Islander	3	2	3	2	263	2	2	67	2	67	259	98	2	67	2	67	262	100	2	67	2	67	262	100										
Hispanic	2	1	2	1	170	1	2	100	2	100	168	99	2	100	2	100	166	98	2	100	2	100	166	98										
Caucasian/White	152	96	152	96	13282	93	150	99	150	99	13264	100	150	99	150	99	13205	100	150	99	150	99	13199	99										
Not Reported	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100										
Identified disability	22	14	22	14	2524	18	22	100	22	100	2514	100	22	100	22	100	2498	99	22	100	22	100	2494	99										
Current LEP	1	1	1	1	385	3	0	0	0	0	377	98	0	0	0	0	383	99	0	0	0	0	380	99										
Economically disadvantaged	11	7	11	7	5587	39	11	100	11	100	5569	100	11	100	11	100	5538	99	11	100	11	100	5534	99										
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100										

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	133	84	133	84	10755	76	134	84	134	84	10730	76	134	84	134	84	10776	76						
Identified disability (PET/IEP)	2	2	2	2	375	3	2	1	2	1	374	3	2	1	2	1	384	4						
LEP	0	0	0	0	148	1	0	0	0	0	148	1	0	0	0	0	150	1						
504 plan	4	3	4	3	114	1	4	3	4	3	114	1	4	3	4	3	115	1						
Participation with accommodations	23	14	23	14	3298	23	22	14	22	14	3267	23	22	14	22	14	3215	23						
Identified disability (PET/IEP)	20	87	20	87	2013	61	20	91	20	91	1998	61	20	91	20	91	1986	62						
LEP	0	0	0	0	225	7	0	0	0	0	233	7	0	0	0	0	229	7						
504 plan	1	4	1	4	69	2	1	5	1	5	68	2	1	5	1	5	67	2						
Other	2	9	2	9	1046	32	1	5	1	5	1023	31	1	5	1	5	987	31						
Participation through alternate assessment (PAAP)	0	0	0	0	126	1	0	0	0	0	126	1	0	0	0	0	124	1						
Identified disability (PET/IEP)	0	0	0	0	126	100	0	0	0	0	126	100	0	0	0	0	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	3	2	3	2	11	0	3	2	3	2	68	0	3	2	3	2	80	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 4
SAU: York School Department
School: Coastal Ridge Elementary

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006	6	4	6	4	601	4
	2006-2007	11	7	11	7	507	4
	2007-2008	17	11	17	11	559	4
	Cum. Total*	34	8	34	8	1667	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006	98	71	98	70	7910	57
	2006-2007	116	78	116	78	8749	63
	2007-2008	114	73	114	73	8308	59
	Cum. Total*	328	74	328	74	24967	60
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006	30	22	30	21	3970	29
	2006-2007	20	13	20	13	3467	25
	2007-2008	21	13	21	13	3922	28
	Cum. Total*	71	16	71	16	11359	27
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006	5	4	6	4	1421	10
	2006-2007	2	1	2	1	1165	8
	2007-2008	4	3	4	3	1264	9
	Cum. Total*	11	2	12	3	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	33.7	70.2	33.7	70.2	29.7	61.9
Literary Text	24	50	17.7	73.8	17.7	73.8	15.5	64.6
Informational Text	24	50	16.0	66.7	16.0	66.7	14.2	59.2

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008

Grade: 4

SAU: York School Department

School: Coastal Ridge Elementary

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	156	17	11	114	73	21	13	4	3	450	156	11	73	13	3	450	14053	4	59	28	9	445
Ethnicity																						
African American/Black	2										2						384	1	36	35	28	438
American Indian or Native Alaskan	0										0						101	1	46	44	10	442
Asian or Pacific Islander	2										2						259	6	61	22	11	445
Hispanic	2										2						164	0	45	38	16	440
Caucasian/White	150	16	11	111	74	20	13	3	2	451	150	11	74	13	2	451	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	22	0	0	11	50	8	36	3	14	442	22	0	50	36	14	442	2388	0	29	44	26	437
No	134	17	13	103	77	13	10	1	1	452	134	13	77	10	1	452	11665	5	65	25	6	446
Current LEP																						
Yes	0										0						373	1	32	35	32	436
No	156	17	11	114	73	21	13	4	3	450	156	11	73	13	3	450	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	11	2	18	7	64	2	18	0	0	450	11	18	64	18	0	450	5502	1	47	37	14	441
No	145	15	10	107	74	19	13	4	3	450	145	10	74	13	3	450	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	156	17	11	114	73	21	13	4	3	450	156	11	73	13	3	450	14048	4	59	28	9	445
Gender																						
Female	87	11	13	64	74	11	13	1	1	451	87	13	74	13	1	451	6959	5	61	26	8	446
Male	69	6	9	50	72	10	14	3	4	449	69	9	72	14	4	449	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1890	0	37	46	17	439
No	156	17	11	114	73	21	13	4	3	450	156	11	73	13	3	450	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										0						266	21	74	4	0	456
No	156	17	11	114	73	21	13	4	3	450	156	11	73	13	3	450	13787	4	59	28	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: York School Department

School: Coastal Ridge Elementary

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						5	1	42	36	21	440
B. less than one hour	74	11	10	88	77	14	12	2	2	451	74	10	77	12	2	451	74	4	62	27	7	445
C. one to two hours	23	5	14	23	66	6	17	1	3	449	23	14	66	17	3	449	18	5	59	29	7	446
D. more than two hours	3	1	20	2	40	1	20	1	20	446	3	20	40	20	20	446	2	3	32	34	31	438
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	23	6	17	22	63	4	11	3	9	450	23	17	63	11	9	450	30	6	63	24	7	446
B. They match some of what I have learned.	68	10	10	81	77	14	13	0	0	451	68	10	77	13	0	451	52	4	63	27	6	446
C. They match just a little of what I have learned.	8	1	8	9	69	2	15	1	8	449	8	8	69	15	8	449	12	2	46	37	15	441
D. There is no match.	1	0	0	1	50	1	50	0	0	448	1	0	50	50	0	448	5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	39	9	15	45	75	6	10	0	0	452	39	15	75	10	0	452	35	7	66	20	6	448
B. good	52	7	9	61	75	11	14	2	2	450	52	9	75	14	2	450	51	3	60	29	7	445
C. fair	8	1	8	7	54	3	23	2	15	447	8	8	54	23	15	447	12	1	44	40	16	440
D. poor	1	0	0	0	0	1	100	0	0	432	1	0	0	100	0	432	2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	20	5	17	16	53	8	27	1	3	449	20	17	53	27	3	449	19	2	46	34	17	442
B. about the same as my regular schoolwork	67	10	10	81	79	10	10	2	2	451	67	10	79	10	2	451	62	5	64	26	5	446
C. easier than my regular schoolwork	13	2	10	15	75	2	10	1	5	450	13	10	75	10	5	450	18	3	58	29	10	444
How hard were the reading passages on this test?																						
A. Most of the passages were more difficult than what I usually read.	10	0	0	8	53	5	33	2	13	443	10	0	53	33	13	443	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	51	6	8	61	78	10	13	1	1	449	51	8	78	13	1	449	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	39	11	19	41	69	6	10	1	2	454	39	19	69	10	2	454	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	16	5	20	18	72	2	8	0	0	454	16	20	72	8	0	454	18	7	64	22	7	447
B. 20 minutes to an hour	73	12	11	85	75	14	12	2	2	451	73	11	75	12	2	451	55	4	64	26	6	446
C. less than 20 minutes	5	0	0	5	63	2	25	1	13	444	5	0	63	25	13	444	14	2	53	33	12	443
D. I rarely read at home.	5	0	0	4	50	3	38	1	13	442	5	0	50	38	13	442	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	15	2	9	14	61	6	26	1	4	447	15	9	61	26	4	447	23	3	50	34	13	442
B. six to ten pages	27	4	10	29	73	6	15	1	3	450	27	10	73	15	3	450	25	3	60	29	8	444
C. eleven or more pages	58	11	13	66	76	9	10	1	1	452	58	13	76	10	1	452	52	5	64	24	6	446
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	0	0	1	100	0	0	432	100	0	0	100	0	432						
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 4
SAU: York School Department
School: Coastal Ridge Elementary

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	27	19	27	19	1294	9
	2006-2007	23	15	23	15	1054	8
	2007-2008	27	17	27	17	1321	9
	Cum. Total*	77	17	77	17	3669	9
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	77	55	77	55	7000	50
	2006-2007	100	67	100	67	7394	53
	2007-2008	100	64	100	64	7079	51
	Cum. Total*	277	62	277	62	21473	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	29	21	29	21	3784	27
	2006-2007	21	14	21	14	3729	27
	2007-2008	27	17	27	17	3955	28
	Cum. Total*	77	17	77	17	11468	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	7	5	8	6	1894	14
	2006-2007	5	3	5	3	1735	12
	2007-2008	2	1	2	1	1642	12
	Cum. Total*	14	3	15	3	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	11.4	76.0	11.4	76.0	9.5	63.3
Cluster 2: Shape and Size	14	29	9.8	70.0	9.8	70.0	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	4.1	82.0	4.1	82.0	3.4	68.0
Cluster 4: Patterns	14	29	10.9	77.9	10.9	77.9	9.7	69.3

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008

Grade: 4

SAU: York School Department

School: Coastal Ridge Elementary

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	156	27	17	100	64	27	17	2	1	453	156	17	64	17	1	453	13997	9	51	28	12	445
Ethnicity																						
African American/Black	2										2						386	4	26	34	36	434
American Indian or Native Alaskan	0										0						101	3	46	41	11	442
Asian or Pacific Islander	2										2						262	14	51	23	12	447
Hispanic	2										2						162	4	41	34	21	440
Caucasian/White	150	27	18	96	64	25	17	2	1	453	150	18	64	17	1	453	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	22	0	0	11	50	11	50	0	0	444	22	0	50	50	0	444	2372	3	31	36	30	436
No	134	27	20	89	66	16	12	2	1	454	134	20	66	12	1	454	11625	11	54	27	8	447
Current LEP																						
Yes	0										0						381	4	33	28	35	435
No	156	27	17	100	64	27	17	2	1	453	156	17	64	17	1	453	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	11	3	27	6	55	2	18	0	0	455	11	27	55	18	0	455	5472	5	41	35	19	440
No	145	24	17	94	65	25	17	2	1	452	145	17	65	17	1	452	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	156	27	17	100	64	27	17	2	1	453	156	17	64	17	1	453	13992	9	51	28	12	445
Gender																						
Female	87	14	16	57	66	15	17	1	1	452	87	16	66	17	1	452	6933	9	50	29	12	445
Male	69	13	19	43	62	12	17	1	1	453	69	19	62	17	1	453	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1890	2	34	41	23	438
No	156	27	17	100	64	27	17	2	1	453	156	17	64	17	1	453	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										0						266	45	49	5	0	461
No	156	27	17	100	64	27	17	2	1	453	156	17	64	17	1	453	13731	9	51	29	12	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: York School Department

School: Coastal Ridge Elementary

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						5	6	34	33	27	438
B. less than one hour	74	19	17	76	66	20	17	0	0	453	74	17	66	17	0	453	74	10	52	28	10	446
C. one to two hours	23	7	20	20	57	6	17	2	6	451	23	20	57	17	6	451	18	10	52	28	10	446
D. more than two hours	3	1	20	3	60	1	20	0	0	450	3	20	60	20	0	450	2	5	33	28	34	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	35	13	24	36	67	4	7	1	2	454	35	24	67	7	2	454	38	13	56	23	8	448
B. They match some of what I have learned.	53	10	12	53	65	19	23	0	0	452	53	12	65	23	0	452	48	8	52	29	10	445
C. They match just a little of what I have learned.	11	3	18	9	53	4	24	1	6	451	11	18	53	24	6	451	10	4	35	39	22	439
D. There is no match.	1	0	0	1	100	0	0	0	0	446	1	0	100	0	0	446	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	31	17	35	29	60	2	4	0	0	459	31	35	60	4	0	459	35	16	55	20	8	449
B. good	49	9	12	50	67	16	21	0	0	451	49	12	67	21	0	451	48	7	52	31	11	445
C. fair	18	0	0	17	63	8	30	2	7	447	18	0	63	30	7	447	14	3	41	38	18	440
D. poor	3	0	0	3	75	1	25	0	0	447	3	0	75	25	0	447	3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	12	3	17	12	67	3	17	0	0	452	12	17	67	17	0	452	15	4	38	33	25	439
B. about the same as my regular schoolwork	71	19	18	66	62	20	19	2	2	452	71	18	62	19	2	452	64	10	54	28	9	446
C. easier than my regular schoolwork	17	4	16	19	76	2	8	0	0	456	17	16	76	8	0	456	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	39	16	27	36	61	7	12	0	0	455	39	27	61	12	0	455	23	8	47	29	16	443
B. two or three days a week	43	8	12	43	65	14	21	1	2	451	43	12	65	21	2	451	36	11	54	27	9	447
C. two or three times each month	13	1	5	15	75	4	20	0	0	449	13	5	75	20	0	449	25	10	53	27	10	446
D. never or almost never	5	1	13	5	63	2	25	0	0	456	5	13	63	25	0	456	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	4	2	33	1	17	3	50	0	0	451	4	33	17	50	0	451	5	3	30	33	33	436
B. two or three days a week	29	10	23	27	61	7	16	0	0	454	29	23	61	16	0	454	19	8	50	30	12	445
C. two or three times each month	48	11	15	49	67	13	18	0	0	452	48	15	67	18	0	452	38	11	55	26	8	447
D. never or almost never	20	3	10	22	73	4	13	1	3	452	20	10	73	13	3	452	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	1	0	0	1	100	0	0	0	0	448	1	0	100	0	0	448	8	3	33	38	25	438
B. 30–45 minutes	6	1	11	5	56	3	33	0	0	449	6	11	56	33	0	449	27	6	48	33	13	443
C. 45–60 minutes	47	7	10	48	67	15	21	2	3	451	47	10	67	21	3	451	38	11	54	26	9	447
D. more than 60 minutes	47	18	25	45	63	9	13	0	0	455	47	25	63	13	0	455	26	13	55	23	9	448
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	0	0	0	0	1	100	428	100	0	0	0	100	428						
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

N = Number

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 4
SAU: York School Department
School: Coastal Ridge Elementary

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	13	9	13	9	751	5
	2006-2007	19	13	19	13	963	7
	2007-2008	30	19	30	19	882	6
	Cum. Total*	62	14	62	14	2596	6
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	90	64	90	64	7251	52
	2006-2007	94	63	94	63	6824	49
	2007-2008	102	65	102	65	7130	51
	Cum. Total*	286	64	286	64	21205	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	29	21	30	21	4514	32
	2006-2007	28	19	28	19	4382	32
	2007-2008	18	12	18	12	4433	32
	Cum. Total*	75	17	76	17	13329	32
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	8	6	8	6	1458	10
	2006-2007	8	5	8	5	1735	12
	2007-2008	6	4	6	4	1546	11
	Cum. Total*	22	5	22	5	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	9.0	75.0	9.0	75.0	8.0	66.7
Cluster 2: Physical Sciences	12	25	9.5	79.2	9.5	79.2	7.2	60.0
Cluster 3: Earth and Space Sciences	12	25	8.0	66.7	8.0	66.7	7.4	61.7
Cluster 4: Nature and Implications of Science	12	25	8.6	71.7	8.6	71.7	7.6	63.3

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.



SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008

Grade: 4

SAU: York School Department

School: Coastal Ridge Elementary

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	156	30	19	102	65	18	12	6	4	452	156	19	65	12	4	452	13991	6	51	32	11	444
Ethnicity																						
African American/Black	2										2						385	2	27	35	36	434
American Indian or Native Alaskan	0										0						101	3	44	44	10	441
Asian or Pacific Islander	2										2						262	5	52	28	14	443
Hispanic	2										2						162	2	38	39	21	439
Caucasian/White	150	29	19	99	66	16	11	6	4	452	150	19	66	11	4	452	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	22	1	5	12	55	5	23	4	18	441	22	5	55	23	18	441	2370	2	32	41	25	437
No	134	29	22	90	67	13	10	2	1	454	134	22	67	10	1	454	11621	7	55	30	8	445
Current LEP																						
Yes	0										0						379	1	25	35	39	433
No	156	30	19	102	65	18	12	6	4	452	156	19	65	12	4	452	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	11	2	18	5	45	4	36	0	0	451	11	18	45	36	0	451	5470	3	41	39	18	440
No	145	28	19	97	67	14	10	6	4	452	145	19	67	10	4	452	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	156	30	19	102	65	18	12	6	4	452	156	19	65	12	4	452	13986	6	51	32	11	444
Gender																						
Female	87	14	16	62	71	8	9	3	3	452	87	16	71	9	3	452	6929	6	49	33	12	443
Male	69	16	23	40	58	10	14	3	4	453	69	23	58	14	4	453	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	0										0						1888	1	32	44	23	437
No	156	30	19	102	65	18	12	6	4	452	156	19	65	12	4	452	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										0						266	30	65	5	1	457
No	156	30	19	102	65	18	12	6	4	452	156	19	65	12	4	452	13725	6	51	32	11	444

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008

Grade: 4

SAU: York School Department

School: Coastal Ridge Elementary

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						5	4	37	36	22	439
B. less than one hour	74	22	19	78	68	14	12	1	1	453	74	19	68	12	1	453	74	6	53	31	10	444
C. one to two hours	23	7	20	22	63	3	9	3	9	452	23	20	63	9	9	452	18	7	52	32	8	445
D. more than two hours	3	1	20	1	20	1	20	2	40	439	3	20	20	20	40	439	2	4	31	33	32	437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	18	6	21	20	71	1	4	1	4	455	18	21	71	4	4	455	24	9	53	28	10	446
B. They match some of what I have learned.	56	16	18	56	64	13	15	2	2	452	56	18	64	15	2	452	49	6	54	31	9	445
C. They match just a little of what I have learned.	23	8	22	24	67	3	8	1	3	454	23	22	67	8	3	454	21	4	47	36	13	442
D. There is no match.	2	0	0	0	0	1	33	2	67	424	2	0	0	33	67	424	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	31	12	25	29	60	3	6	4	8	454	31	25	60	6	8	454	25	9	53	27	10	446
B. good	56	15	17	59	68	12	14	1	1	452	56	17	68	14	1	452	54	6	55	30	9	445
C. fair	11	2	12	12	71	3	18	0	0	451	11	12	71	18	0	451	19	3	43	40	15	441
D. poor	1	1	50	0	0	0	0	1	50	441	1	50	0	0	50	441	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	19	8	28	18	62	1	3	2	7	453	19	28	62	3	7	453	22	5	45	35	15	442
B. about the same as my regular schoolwork	63	16	17	64	67	15	16	1	1	452	63	17	67	16	1	452	62	7	53	31	9	445
C. easier than my regular schoolwork	18	6	21	17	61	2	7	3	11	453	18	21	61	7	11	453	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	7	0	0	9	82	2	18	0	0	449	7	0	82	18	0	449	24	7	48	33	12	444
B. a few times a week	67	20	19	65	63	13	13	5	5	452	67	19	63	13	5	452	53	7	54	31	9	445
C. once a week	14	7	33	12	57	2	10	0	0	457	14	33	57	10	0	457	9	6	46	33	15	442
D. a few times a month	12	3	16	14	74	1	5	1	5	450	12	16	74	5	5	450	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	7	3	27	6	55	2	18	0	0	455	7	27	55	18	0	455	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	35	9	17	33	61	9	17	3	6	450	35	17	61	17	6	450	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	25	6	16	24	63	6	16	2	5	451	25	16	63	16	5	451	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	33	12	24	37	73	1	2	1	2	456	33	24	73	2	2	456	22	9	55	26	9	446
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	0	0	1	100	0	0	432	100	0	0	100	0	432						
C.	0										0											
D.	0										0											

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N = Number